




Santhosh S

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EDUCATION

Chennai Institute Of Technology, B.E. Computer Science and Engineering

2022 – 2026 | Chennai, India

PROFESSIONAL EXPERIENCE

Flowtrik Technologies | Full Stack Developer

12/2023 – 01/2024 | Chennai, India

- Engineered the admission login interface for a React-based biometric system, delivering seamless user access for the admin portal.
- Integrated JWT authentication with role-based access control, reinforcing session security and reducing unauthorized access incidents by **40%**.

Getmax Solutions | Front End Developer

11/2023 – 12/2023 | Chennai, India

- Developed and optimized core React.js web pages for the company site, enhancing load performance and experience for **50+** active users/day.
- Leveraged Redux and Context API for efficient state handling, decreasing UI glitches and re-renders by **30%**.

Niraltek Solutions | Software Tester

04/2023 – 06/2023 | Chennai, India

- Conducted cross-platform testing of IoT-integrated devices using Selenium, validating both physical and software performance.
- Automated **100+** test cases, cutting regression testing time by **25%** and improving deployment reliability for IoT solutions.

SKILLS

Programming Languages: Python, Java, JavaScript, TypeScript, C, SQL

Frameworks: React.js, Next.js, Node.js, Express.js, Angular.js, Django, Flask, Vite.js, Tailwind CSS

Tools: Git & GitHub, Colab, Docker, Postman, Power BI, , Figma, VS Code, Android Studio

Databases: MongoDB, PostgreSQL, MySQL, Firebase | Cloud & Devops - AWS(S3,EC2,RDS), Kubernetes, Jenkins

PROJECTS

IntelliPrep.AI, React.js, Node.js, Express.js, OpenAI API, PostgreSQL

- Built a full-stack platform that offers tailored interview questions, coding challenges, and instant AI-generated feedback using Node.js, Express, and OpenAI GPT APIs.
- Integrated user tracking and adaptive difficulty adjustment via React dashboard and PostgreSQL, improving candidate readiness by 80%.

NutriGenie, LLM, RAG, Python, React, Express

- Built an interactive AI assistant that delivers personalized nutrition, diet, and workout guidance using advanced retrieval-augmented generation with open-source LLMs and real-world data.
- Designed an engaging user experience with ChatGPT-like conversational UI, empowering users to ask complex health-related queries and receive reliable, context-aware answers instantly.

RentSphere, React.js, Node.js, Express.js, PostgreSQL

- Developed a rental management system using React, Node.js, Express, and PostgreSQL enabling tenants to book properties, raise service requests, and manage leases.
- Designed role-based dashboards for tenants, landlords, and admins with rental agreements, payment logs, and maintenance ticket tracking improving process automation by 85%.

CERTIFICATES

- AWS Cloud Practitioner Certification(CLF02)- AWS
- Meta Front-End Developer Professional Certificate
- The Complete Web Development Bootcamp 2025 - UDEMY
- CCNA Certification - CISCO

COMPETITIVE PROGRAMMING

LeetCode

- I have solved **800** problems on LeetCode and achieved a contest ranking of **1,623**, with a maximum rating of **1,670**. My overall rank is **41,163**, and my contest ranking stands at **132,733**.

ACHIVEMENTS & VOLUNTEERING

PROMOTION TEAM HEAD | HACKERZ'25

- Led the promotion team for the events, managing strategy, content creation, and outreach to ensure maximum visibility and engagement across various platforms

VICE PRESIDENT | IEEE Computer Society CIT

- Collaborated with IEEE to strategize society growth and strengthen industry-academic relationships through networking opportunities

UNIQCORE HACKATHON

- Runner Up - Participated in a hackathon conducted by Sastra University, where we developed an AI-powered application to solve a real-world problem in Construction.